

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 2 | hauffe-ralf.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:07 |
| S2 | 12 | Kilian-arnd.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:07 |
| S3 | 12 | S1 or S2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:17 |
| S4 | 198 | ("5398170" "5761229" "5771254" "5584296" "5809050" "6249370" "5218223" "5418631" "5956854" "6022124" "6122833" "6216352" "6216352" "6238060" "4365864" "4580871" "4597349" "5698847" "5764223" "5774609" "5838715" "5925867" "5944405" "6037964" "6108497" "4518259" "4831276" "4914437" "5301043" "5606537" "5711588" "5719663" "6002458" "6088376" "6160769" "6172745" "6239916" "6243148" "6243509" "4256403" "4262995" "4364102" "4453200" "4530566" "4632543" "4766470" "4775217" "4902244" "4935939" "4975752").pn. ("5019808" "5247506" "5258812" "5285058" "5400308" "5416608" "5453855" "5487058" "5724375" "5871215" "5883913" "5918108" "5944416" "5963349" "5997570" "6016203" "6042234" "6044871" "6075649" "6081638" "6094252" "6144781" "6185161" "6198213" "6224223" "6224223" "4244045" "4245886" "4268112" "4277817" "4310905" "4355323" "4394661" "4513087" "4580130" "4773018" "4779256" "4789881" "4793679" "4807166" "4847734" "4857895" "4884112" "4927681" "4978187" "5214457" "5221387" "5223710" "5225672" "5247178").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:37 |

EAST Search History

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|-----|------|-----------|---|----|----|------------------|
| S5 | 3353 | 385/88 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:37 |
| S6 | 3899 | 385/31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:37 |
| S7 | 2741 | 385/39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:37 |
| S8 | 2365 | 385/92 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:37 |
| S9 | 894 | 385/94 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:37 |
| S10 | 1037 | 385/47 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:37 |
| S11 | 329 | 372/29.02 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:37 |
| S12 | 1155 | 372/33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:38 |
| S13 | 1914 | 257/98 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/11/13 18:38 |

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|-----|-------|---|---|----|----|------------------|
| S14 | 24 | ("20030113076" "20040066570" "4966430" "5454055" "5650640" "5696862" "5745625" "5814870" "5930430" "6019523" "6088501" "6130448" "6155724" "6213650" "6257772" "6264377" "6318908" "6422766" "6435734" "6485197" "6550983" "6611001" "6623178" "6623180").PN. OR ("6856717").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/13 18:45 |
| S15 | 0 | ("2005/0180698").URPN. | USPAT | OR | ON | 2005/11/13 19:29 |
| S16 | 2919 | 385/15 | USPAT | OR | ON | 2005/11/13 19:30 |
| S17 | 2437 | 385/39 | USPAT | OR | ON | 2005/11/13 19:30 |
| S18 | 12391 | S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 or S16 or S17 | USPAT | OR | ON | 2005/11/13 19:42 |
| S19 | 14847 | ((VCSEL or laser or diode or PD or LD or laser-diode or photo-diode or ((energy or light) NEAR5 (emit\$6 or source))) WITH (Monit\$4 or ((light or laser) NEAR3 detector) or photo-diode or diode) WITH ((light or laser or energy or beam or ray) NEAR4 (redirect\$3 or direct\$3 or reflect\$4))) SAME (Module or transmit\$4 or receiv\$4 or can) | USPAT | OR | ON | 2005/11/13 19:42 |
| S20 | 9589 | ((VCSEL or laser or diode or PD or LD or laser-diode or photo-diode or ((energy or light) NEAR5 (emit\$6 or source))) WITH (Monit\$4 or ((light or laser) NEAR3 detector) or photo-diode or diode) WITH ((light or laser or energy or beam or ray) NEAR4 (redirect\$3 or direct\$3 or reflect\$4))) WITH (Module or transmit\$4 or receiv\$4 or can) | USPAT | OR | ON | 2005/11/13 19:52 |
| S21 | 504 | S20 and S18 | USPAT | OR | ON | 2005/11/13 19:43 |
| S22 | 5852 | ((((VCSEL or laser or diode or PD or LD or laser-diode or photo-diode or ((energy or light) NEAR5 (emit\$6 or source))) WITH (Monit\$4 or ((light or laser) NEAR3 detector) or photo-diode or diode) WITH ((light or laser or energy or beam or ray) NEAR4 (redirect\$3 or direct\$3 or reflect\$4))) WITH (Module or transmit\$4 or receiv\$4 or can)) WITH (transparent or transmi\$5 or ("not" adj opaque) or transpicuous or diaphanous or ((light or beam) NEAR3 (pass or transmit\$5))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 19:57 |

EAST Search History

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|-----|-----|---|---|----|----|------------------|
| S23 | 8 | ("20040234270" "5737348" "5997185" "6069905").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 04:18 |
| S24 | 205 | S22 and S18 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 19:57 |
| S25 | 26 | (US-20020039474-\$ or US-20030113076-\$ or US-20040037519-\$ or US-20040066570-\$ or US-20040101259-\$ or US-20040105647-\$ or US-20040190836-\$ or US-20040234270-\$ or US-20050093667-\$ or US-20050180698-\$ or US-20050241135-\$).did. or (US-5737348-\$ or US-5997185-\$ or US-6069905-\$ or US-6550983-\$ or US-6611001-\$ or US-6623178-\$ or US-6623180-\$ or US-6678454-\$ or US-6786654-\$ or US-6856717-\$). did. or (JP-2002098850-\$).did. or (DE-19601955-\$ or US-5737348-\$ or US-6069905-\$ or JP-2004294513-\$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/02/13 05:55 |
| S26 | 0 | ("2004/0234270").URPN. | USPAT | OR | ON | 2006/02/13 05:36 |
| S27 | 0 | ("2004/0234270").URPN. | USPAT | OR | ON | 2006/02/13 05:40 |
| S28 | 115 | Nishie-Mitsuaki.in. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/02/13 05:56 |
| S29 | 219 | Nakanishi-Hiromi.in. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/02/13 05:56 |
| S30 | 133 | Kuhara-Yoshiki.in. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/02/13 05:56 |
| S31 | 3 | S28 and S29 and S30 | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/02/13 05:57 |

EAST Search History

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|-----|-------|--|---|----|----|------------------|
| S32 | 398 | S28 or S29 or S30 | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/02/13 05:57 |
| S33 | 0 | ("2004/0071411").URPN. | USPAT | OR | ON | 2006/02/13 06:01 |
| S34 | 17 | ("5606572" "5737348" "5761229" "5812582" "5835514").PN. OR ("6069905").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/13 06:02 |
| S35 | 25 | ("4732446" "4733094" "5093980" "5282080" "5416624" "5555334" "5696862").PN. OR ("5997185").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/13 06:26 |
| S36 | 21 | ("3617932" "4351585" "4457582" "4549782" "4611886").PN. OR ("4733094").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/13 06:15 |
| S37 | 1 | "20020196500".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/13 06:27 |
| S38 | 0 | ("2002/0196500").URPN. | USPAT | OR | ON | 2006/02/13 06:27 |
| S39 | 0 | "20040101259".pn. | USPAT | OR | ON | 2006/02/13 06:27 |
| S40 | 2 | "20040101259".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/13 06:28 |
| S41 | 12271 | (laser or emit\$3 or Diode or LED) WITH (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through))) WITH (reflect\$3 or mirror) | USPAT | OR | ON | 2006/02/20 20:34 |
| S42 | 3457 | 385/88 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |
| S43 | 4026 | 385/31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |
| S44 | 2834 | 385/39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |

EAST Search History

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| S45 | 2450 | 385/92 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |
| S46 | 922 | 385/94 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |
| S47 | 1070 | 385/47 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |
| S48 | 342 | 372/29.02 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |
| S49 | 1163 | 372/33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |
| S50 | 2017 | 257/98 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 20:34 |
| S51 | 3035 | 385/15 | USPAT | OR | ON | 2006/02/20 20:34 |
| S52 | 2530 | 385/39 | USPAT | OR | ON | 2006/02/20 20:34 |
| S53 | 12848 | S42 or S43 or S44 or S45 or S46 or S47 or S48 or S49 or S50 or S51 or S52 | USPAT | OR | ON | 2006/02/20 21:17 |
| S54 | 27201 | (laser or emit\$3 or Diode or LED) WITH (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through))) WITH (reflect\$3 or mirror) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 20:36 |
| S55 | 659 | S54 and S53 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 20:35 |

EAST Search History

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|-----|-------|--|---|----|----|------------------|
| S56 | 18901 | ((laser or emit\$3 or Diode or LED) NEAR10 (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through)))) WITH (reflect\$3 or mirror) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 20:36 |
| S57 | 490 | S56 and S53 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 20:36 |
| S58 | 16612 | ((laser or emit\$3 or Diode or LED) NEAR10 (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through)))) NEAR10 (reflect\$3 or mirror) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 20:37 |
| S59 | 7780 | ((laser or emit\$3 or Diode or LED) NEAR5 (transparent or translucent or ((light or laser or energy) adj (pass\$3 or transmit\$3 or through)))) NEAR5 (reflect\$3 or mirror) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 20:37 |
| S60 | 195 | S59 and S53 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 20:37 |
| S61 | 24 | ("20030113076" "20040066570" "4966430" "5454055" "5650640" "5696862" "5745625" "5814870" "5930430" "6019523" "6088501" "6130448" "6155724" "6213650" "6257772" "6264377" "6318908" "6422766" "6435734" "6485197" "6550983" "6611001" "6623178" "6623180").PN. OR ("6856717").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/20 21:15 |
| S62 | 0 | Nishle-mitsuaki.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/20 21:16 |
| S63 | 22 | Nishie-mitsuaki.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/20 21:19 |
| S64 | 86 | nakanishi-hiromi.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/20 21:16 |

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|-----|-------|----------------------|---|----|----|------------------|
| S65 | 133 | kuhara-yoshiki.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/20 21:17 |
| S66 | 105 | S62 or S63 or S64 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/02/20 21:17 |
| S67 | 150 | 398/141 | USPAT | OR | ON | 2006/02/20 21:26 |
| S68 | 12951 | S67 or S53 | USPAT | OR | ON | 2006/02/20 21:17 |
| S69 | 31 | S68 and S66 | USPAT | OR | ON | 2006/02/20 21:18 |
| S70 | 118 | Nishie-mitsuaki.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 21:19 |
| S71 | 245 | nakanishi-hiromi.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 21:19 |
| S72 | 157 | kuhara-yoshiki.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 21:20 |
| S73 | 438 | S70 or S71 or S72 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 21:20 |
| S74 | 199 | 398/141 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 21:27 |
| S75 | 13000 | S53 or S74 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 21:27 |

EAST Search History

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|-----|----|---------------------|---|----|----|------------------|
| S76 | 51 | S75 and S73 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 21:46 |
| S77 | 2 | "20020180698".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 21:48 |
| S78 | 2 | "20050180698".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 22:35 |
| S79 | 2 | "20020196500".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 22:35 |
| S80 | 0 | S79 and hermtica\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/20 22:36 |

EAST Search History

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|---------------------|---|--|--|----|----|------------------|
| S81 | 156 | (US-20040066570-\$ or US-20030113076-\$ or US-20040071411-\$ or US-20040101259-\$ or US-20040105647-\$ or US-20040190836-\$ or US-20050180698-\$ or US-20050241135-\$ or US-20040234270-\$ or US-20030235376-\$ or US-20020196500-\$ or US-20050093667-\$ or US-20020039474-\$ or US-20040037519-\$).did. or (US-6963598-\$ or US-6888169-\$ or US-6856635-\$ or US-6697396-\$ or US-6654125-\$ or US-6630994-\$ or US-6624899-\$ or US-6600845-\$ or US-5696862-\$ or US-6611001-\$ or US-6550983-\$ or US-6623180-\$ or US-6867796-\$ or US-6867377-\$ or US-6863453-\$ or US-6366350-\$ or US-6314223-\$ or US-5555334-\$ or US-5282080-\$ or US-5093980-\$ or US-4733094-\$ or US-4732446-\$ or US-6971804-\$ or US-6873799-\$ or US-6830711-\$ or US-6731882-\$). did. or (US-6525386-\$ or US-6163556-\$ or US-6102294-\$ or US-5910663-\$ or US-5438208-\$ or US-5319182-\$ or US-5140152-\$ or US-4893901-\$ or US-4611886-\$ or US-4549782-\$ or US-4457582-\$ or US-3617932-\$ or US-6452669-\$ or US-6339496-\$ or US-5835514-\$ or US-5606572-\$ or US-6966706-\$ or US-6963683-\$ or US-6905260-\$ or US-4351585-\$ or US-6694074-\$ or US-6591043-\$ or US-6069905-\$ or US-5737348-\$ or US-6406195-\$ or US-6404959-\$ or US-5997185-\$). did. or (US-6863444-\$ or US-6845118-\$ or US-6567435-\$ or US-6814501-\$ or US-6799902-\$ or US-5812582-\$ or US-6952507-\$ or US-6588945-\$ or US-5416624-\$ or US-5761229-\$ or US-6678454-\$ or US-6786654-\$ or US-5771254-\$ or US-5809050-\$ or US-6856717-\$ or US-6623178-\$ or US-6998691-\$ or US-6998281-\$ or US-6987613-\$ or US-6973110-\$ or US-6960035-\$ or US-6969946-\$ or US-6952437-\$ or US-6948840-\$ or US-6946684-\$ or US-6945711-\$ or US-6904209-\$). did. or (US-6878971-\$ or US-6881980-\$ or US-6894785-\$ or US-6903379-\$ or US-6904068-\$ or US-6318908-\$ or US-6825973-\$ or | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/02/20 23:35 |
| 3/16/06 11:16:42 AM | C:\Documents and Settings\Hughes\My Documents\EAST\Workspaces\Workspaces\10806689.wsp | | | | | Page 10 |

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|-----|------|-------------------|---|----|----|------------------|
| S82 | 113 | S81 and lens | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/02/20 23:38 |
| S83 | 1 | "20050244095".pn. | US-PGPUB; USPAT | OR | ON | 2006/03/16 05:22 |
| S84 | 1 | "20050249462".pn. | US-PGPUB; USPAT | OR | ON | 2006/03/16 05:24 |
| S85 | 1 | "20050244548".pn. | US-PGPUB; USPAT | OR | ON | 2006/03/16 05:26 |
| S86 | 1 | "20050002611".pn. | US-PGPUB; USPAT | OR | ON | 2006/03/16 05:26 |
| S87 | 0 | "20040234270".pn. | USPAT | OR | ON | 2006/03/16 06:22 |
| S88 | 1 | "20040234270".pn. | US-PGPUB; USPAT | OR | ON | 2006/03/16 06:28 |
| S89 | 1 | ("5841562").PN. | US-PGPUB; USPAT | OR | ON | 2006/03/16 06:28 |
| S90 | 3498 | 385/88 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |
| S91 | 4069 | 385/31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |
| S92 | 2868 | 385/39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |
| S93 | 2473 | 385/92 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |
| S94 | 930 | 385/94 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |
| S95 | 1082 | 385/47 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |

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|----------|-------|--|---|----|----|------------------|
| S96 | 346 | 372/29.02 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |
| S97 | 1174 | 372/33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |
| S98 | 2059 | 257/98 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:32 |
| S99 | 3066 | 385/15 | USPAT | OR | ON | 2006/03/16 06:32 |
| S10 0 | 2564 | 385/39 | USPAT | OR | ON | 2006/03/16 06:32 |
| S10 1 | 13014 | S90 or S91 or S92 or S93 or S94 or S95 or S96 or S97 or S98 or S99 or S100 | USPAT | OR | ON | 2006/03/16 06:32 |

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|---------------------|---|---|--|----|----|------------------|
| S10 2 | 157 | (US-20030235376-\$ or US-20050180698-\$ or US-20040190836-\$ or US-20020039474-\$ or US-20050093667-\$ or US-20040101259-\$ or US-20040037519-\$ or US-20040105647-\$ or US-20050241135-\$ or US-20050249462-\$ or US-20030113076-\$ or US-20040066570-\$ or US-20020196500-\$ or US-20040234270-\$ or US-20040071411-\$).did. or (US-6318908-\$ or US-6452669-\$ or US-6339496-\$ or US-5835514-\$ or US-6694074-\$ or US-6591043-\$ or US-6588945-\$ or US-6863444-\$ or US-4744615-\$ or US-6630994-\$ or US-6624899-\$ or US-6600845-\$ or US-4856012-\$ or US-6856717-\$ or US-6786654-\$ or US-5696862-\$ or US-5997185-\$ or US-5737348-\$ or US-6963598-\$ or US-6856635-\$ or US-6845118-\$ or US-6697396-\$ or US-6623180-\$ or US-6623178-\$ or US-6867796-\$ or US-6611001-\$). did. or (US-6550983-\$ or US-6867377-\$ or US-6863453-\$ or US-5606572-\$ or US-6966706-\$ or US-6963683-\$ or US-6952507-\$ or US-6905260-\$ or US-6873799-\$ or US-6525386-\$ or US-6102294-\$ or US-4351585-\$ or US-3617932-\$ or US-6404959-\$ or US-5555334-\$ or US-5416624-\$ or US-5093980-\$ or US-4732446-\$ or US-6971804-\$ or US-5438208-\$ or US-5319182-\$ or US-4893901-\$ or US-4611886-\$ or US-6406195-\$ or US-6366350-\$ or US-6314223-\$ or US-6069905-\$). did. or (US-5282080-\$ or US-4733094-\$ or US-6830711-\$ or US-6888169-\$ or US-6731882-\$ or US-6654125-\$ or US-5910663-\$ or US-6567435-\$ or US-4549782-\$ or US-5812582-\$ or US-6799902-\$ or US-6163556-\$ or US-5140152-\$ or US-4457582-\$ or US-5809050-\$ or US-5771254-\$ or US-5761229-\$ or US-6678454-\$ or US-6998691-\$ or US-6998281-\$ or US-6987613-\$ or US-6973110-\$ or US-6894785-\$ or US-6881980-\$ or US-6835923-\$ or US-6822985-\$ or US-6819690-\$). did. or (US-6803603-\$ or US-6792012-\$ or US-6684007-\$ or US-6493121-\$ or US-6480331-\$ or | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/03/16 06:35 |
| 3/16/06 11:16:42 AM | C:\Documents and Settings\Hughes\My Documents\EAST\Workspaces\Workspaces\10806689.wsp | | | | | Page 13 |

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|----------|-------|---|---|----|----|------------------|
| S10 3 | 118 | nishie-mitsuaki.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:35 |
| S10 4 | 248 | nakanishi-hiromi.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:36 |
| S10 5 | 158 | kuhara-yoshiki.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:36 |
| S10 6 | 441 | S103 or S104 or S105 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:36 |
| S10 7 | 48 | S106 and S101 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 06:36 |
| S10 8 | 12859 | ((Transceiv\$4 NEAR5 Receiv\$4) or ((LED or LD or laser or emit\$3) NEAR5 (PD or detector or receiv\$4)) or transceiver/receiver) SAME ((wavelength or frequency or channel) NEAR9 (different or second or another or plurality or many or (more adj than) or (at adj least))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 07:49 |
| S10 9 | 4196 | ((Transceiv\$4 NEAR5 Receiv\$4) or ((LED or LD or laser or emit\$3) NEAR5 (PD or detector or receiv\$4)) or transceiver/receiver) SAME ((wavelength or frequency or channel) NEAR9 (different or second or another or plurality or many or (more adj than) or (at adj least)))) AND (fiber or fibre or waveguide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 07:49 |
| S11 0 | 3498 | 385/88 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |

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| S11 1 | 4069 | 385/31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |
| S11 2 | 2868 | 385/39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |
| S11 3 | 2473 | 385/92 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |
| S11 4 | 930 | 385/94 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |
| S11 5 | 1082 | 385/47 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |
| S11 6 | 346 | 372/29.02 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |
| S11 7 | 1174 | 372/33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |
| S11 8 | 2059 | 257/98 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/16 07:51 |
| S11 9 | 3066 | 385/15 | USPAT | OR | ON | 2006/03/16 07:51 |
| S12 0 | 2564 | 385/39 | USPAT | OR | ON | 2006/03/16 07:51 |
| S12 1 | 13014 | S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117 or S118 or S119 or S120 | USPAT | OR | ON | 2006/03/16 07:51 |

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| S12 2 | 603 | ((Transceiv\$4 NEAR5 Receiv\$4) or ((LED or LD or laser or emit\$3) NEAR5 (PD or detector or receiv\$4)) or transceiver/receiver) SAME ((wavelength or frequency or channel) NEAR9 (different or second or another or plurality or many or (more adj than) or (at adj least)))) SAME (lens or focus\$3 or collimat\$3) | USPAT | OR | ON | 2006/03/16 08:02 |
| S12 3 | 121 | ((Transceiv\$4 NEAR5 Receiv\$4) or ((LED or LD or laser or emit\$3) NEAR5 (PD or detector or receiv\$4)) or transceiver/receiver) SAME ((wavelength or frequency or channel) NEAR9 (different or second or another or plurality or many or (more adj than) or (at adj least)))) SAME (lens or focus\$3 or collimat\$3) SAME (fiber or fibre or waveguide) | USPAT | OR | ON | 2006/03/16 08:02 |
| S12 4 | 25 | ((Transceiv\$4 NEAR5 Receiv\$4) or ((LED or LD or laser or emit\$3) NEAR5 (PD or detector or receiv\$4)) or transceiver/receiver) SAME ((wavelength or frequency or channel) NEAR9 (different or second or another or plurality or many or (more adj than) or (at adj least)))) WITH (lens or focus\$3 or collimat\$3) SAME (fiber or fibre or waveguide) | USPAT | OR | ON | 2006/03/16 08:03 |
| S12 5 | 26 | S123 and S121 | USPAT | OR | ON | 2006/03/16 08:03 |
| S12 6 | 256 | ((Transceiv\$4 NEAR5 Receiv\$4) or ((LED or LD or laser or emit\$3) NEAR5 (PD or detector or receiv\$4)) or transceiver/receiver) SAME ((wavelength or frequency or channel) NEAR9 (different or second or another or plurality or many or (more adj than) or (at adj least)))) SAME (lens or focus\$3 or collimat\$3) SAME (fiber or fibre or waveguide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 08:03 |

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| S12 7 | 1214 | (((Transceiv\$4 NEAR5 Receiv\$4) or ((LED or LD or laser or emit\$3) NEAR5 (PD or detector or receiv\$4)) or transceiver/receiver) SAME ((wavelength or frequency or channel) NEAR9 (different or second or another or plurality or many or (more adj than) or (at adj least)))) SAME (lens or focus\$3 or collimat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 08:02 |
| S12 8 | 67 | (((Transceiv\$4 NEAR5 Receiv\$4) or ((LED or LD or laser or emit\$3) NEAR5 (PD or detector or receiv\$4)) or transceiver/receiver) SAME ((wavelength or frequency or channel) NEAR9 (different or second or another or plurality or many or (more adj than) or (at adj least)))) WITH (lens or focus\$3 or collimat\$3)) SAME (fiber or fibre or waveguide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 08:03 |
| S12 9 | 26 | S123 and S121 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 08:03 |